TOP SECRET

IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

[redacted]

HARBIN ARSENAL COMPLEX

Declass Review by NIMA/DOD

25X

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25X

CIA/PIR 65048

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DATE OCT 1965

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PAGES 15

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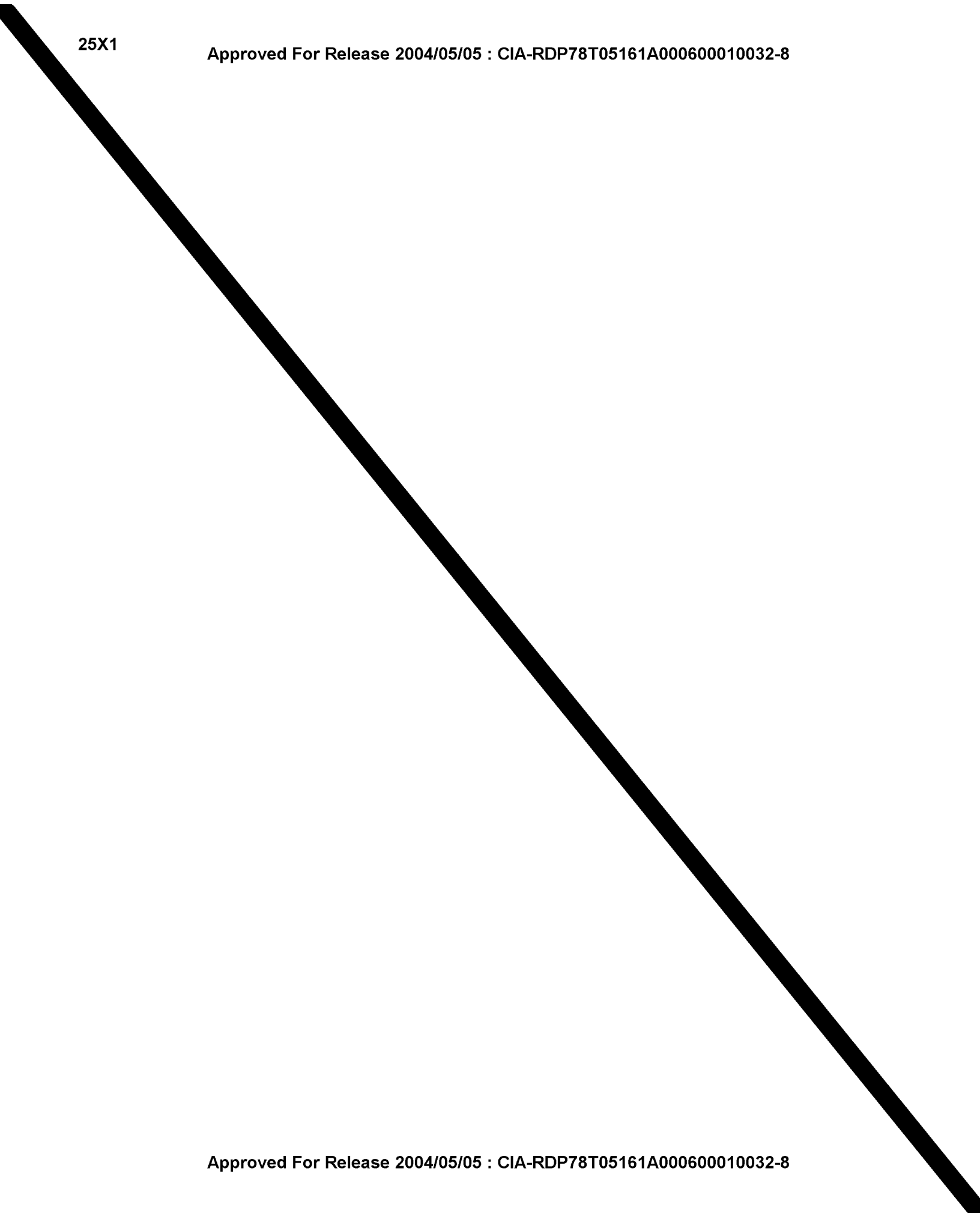

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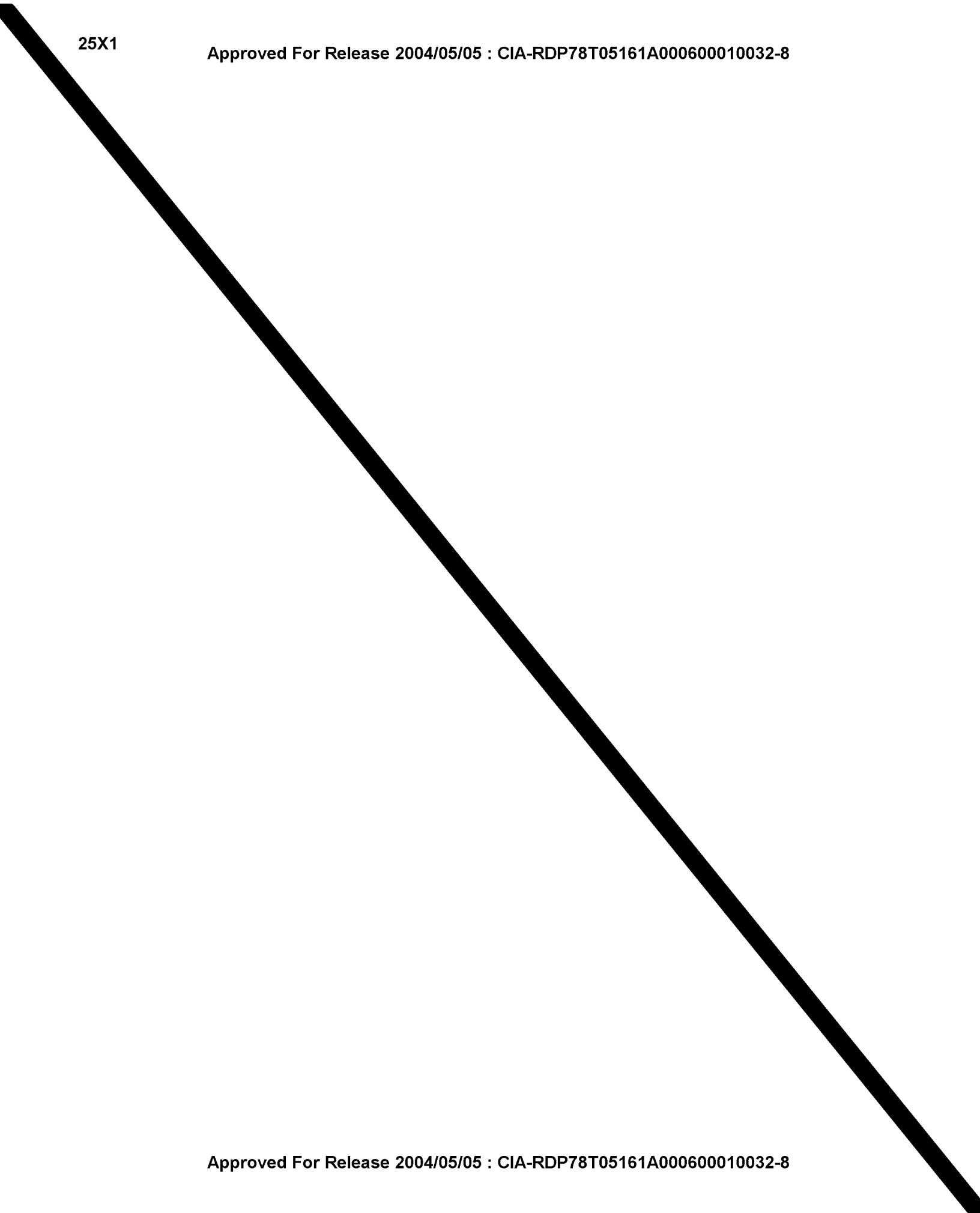
HARBIN ARSENAL COMPLEX

Harbin, in Manchuria, has emerged as one of the larger and more important industrial and transportation centers in northeast Communist China, and is reported to contain a number of arsenals that produce ammunition, grenades, shell casings, mines, guns and tank parts. Two known and two suspect arsenals are located in the Harbin area (See Figure 1). Three are situated east and northeast of the San-k'o-shu district of Harbin (45 47N - 126 42E) and the fourth is located on the southern edge of the city (45 42N - 126 40E).

A search of the Harbin area to locate other arsenals proved inconclusive. The fact that many arsenals have identification characteristics identical or similar to a wide range of basic non-military industries made the search difficult. Many arsenals will remain undetected unless the analyst is able to identify components or finished products in open storage as being military in nature.

Each of the known and suspect arsenals discussed in this memorandum have been divided into lettered sections based on function and physical separation of facilities (See Figures 2, 4, 6 and 8). A general discussion of each plant follows: 25X



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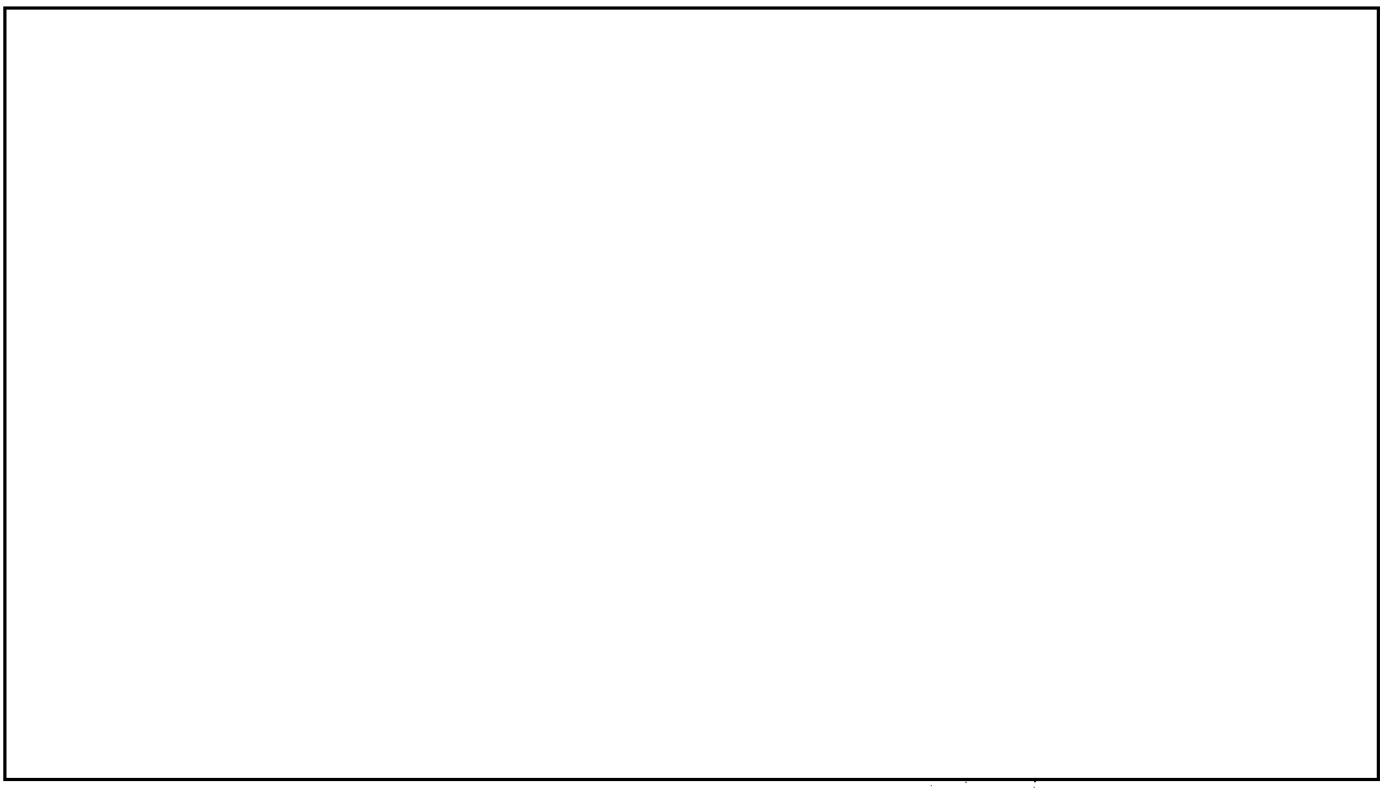

Harbin Tank Plant (Probably Plant No. 674)

This plant is situated [redacted] Military Plant No. 1 and consists of four machine shops (Item A, Figure 6), a large subassembly/assembly building (B), heat processing facilities (C and D) plus numerous storage and support buildings (E through I). The complex is secured by a wall with guard towers and is serviced by a rail spur which enters the plant from the north and separates into three sidings (See Figure 7). Two lines extend through the middle of the plant and terminate at the coal storage area near the south boundry of the complex. The third siding serves a loading/unloading platform east of the motor pool (H).

This complex is believed to be engaged in the repair of tanks and production of tank parts, but this cannot be confirmed from photography; however, the facilities required for such an operation are present at this plant. The south central part of the plant seems to be devoted entirely to heat processing buildings (C and D). To the northwest of these areas are four machine shops, two of which measure over 350' in length. Directly east of the shops is the recently completed subassembly building (B) which was under construction in [redacted] This building has a 45' high section and provides a capability for the disassembly and reassembly of tanks. Only small scale tank repair could have been possible at this plant prior to the completion of building B.

Tanks are probably disassembled and held in building B while needed parts are either fabricated or repaired elsewhere in the plant, and then returned to building B for reassembly.

More than 205,000 square feet of floorspace has been added since [redacted] 25X1 Most of this new construction, 159,200 square feet, was for production buildings. Support and storage facilities accounted for the remaining square footage.

Plant activity appeared to be at a lower level than previously reported. In [redacted] X1 eleven trucks, three rail cars and a small amount of steam were observed in the plant. When last seen in [redacted] there was no steam or rail cars visible. The vehicle count had dropped to seven; all parked in the southeast corner of the plant. 25X1

Harbin Munitions and Armaments Plant

This facility is situated nine kilometers south of the Harbin Central Railroad Station and Yards (See Figure 1). It consists of a fabrication area with associated support, storage and administrative components (Areas A through J, Figure 8), a possible small caliber ammunition loading area (K) and a munitions storage area (L).

This complex is rail served and secured. The possible loading and munitions storage areas are separately surrounded by a double fence. At one time, the plant boundries apparently extended beyond the present limits (See Figure 1), but have since been pulled back to the present location. The apparently abandoned area contains about sixty revettments of varying sizes, all of which are empty.

The fabrication area (A through J) is served by a rail line which enters the plant from the east and separates into two spurs (See Figure 9). One spur extends west through the plant to the large shop/fabrication buildings in the northwest corner of the arsenal. The other spur runs along the eastern edge of the plant, services the steam plant (H), and terminates just short of the motor pool/maintenance area (F).

This plant does not fit the pattern of a typical munitions plant which is producing shells, mines, grenades or small arms. The size of the shops and assembly building suggests that this plant is more likely a munitions/armaments plant capable of producing heavy equipment such as tanks, armored personnel carriers, heavy artillery and the like. The most impressive structure in the factory complex is the subassembly/assembly building (A) with its [redacted] high final assembly hall. 25X1 Buildings of this size are normally associated with locomotive assembly or other heavy fabrication. Though completed, building B does not seem to have ever been in operation.

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There appears to be a very limited forge/foundry capability at this plant. Only two probable small foundries (E) have been identified and they are totally inadequate in relation to the metal working requirements of the other production buildings. Consequently, an additional forge/foundry capability probably exists in other plant buildings. Building C, for example, has a section containing five small stacks, possibly for light foundry work. Building B has a single large stack at its north end, and may be a forge/foundry rather than a machine shop.

Areas K and L do not appear to be directly associated with the rest of the plant. The possible loading area appears to be for production of small caliber shells. It contains two possible cartridge loading buildings, a boiler house and eight revetted storage buildings. Cartridge cases are probable made at the small shops in the fabrication area, or at one or more of the other Harbin arsenals.

Plant activity was up slightly from [redacted] The amount of material in open storage increased, but with the exception of coal, none of this material could be identified. Smoke was observed for the first time in [redacted] The auxiliary boiler house immediately east of building C was emitting large quantities of smoke. The main steam plant (H) continued to show no signs of being in operation. Seven trucks and three railway cars were observed within the plant. The vehicles were parked in line near the vehicle maintenance building (F); the rail cars were located north of building B.

No major new construction occurred since [redacted] A new plant entrance and access road was built in the administration/engineering area (G). A coal processing and conveyor system was added to the main steam plant. The remaining construction consisted of a water tower (located approximately 900' northwest of building A) and twelve small structures.

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REFERENCES

MAPS OR CHARTS

DIA. US Air Target Mosiac, Series 50, Sheet S0283-13/14MA, 2nd Ed., March 1964, Scale 1:50,000 (SECRET)

USAF. US Target Complex Chart, Series 100, Sheet 0283-9999-100A, 2nd Ed., February 1956, Scale 1:100,000 (CONFIDENTIAL)

REQUIREMENT

CIA. C-RR5-82,606

CIA/IAD PROJECT

30717-5

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FIGURE 1

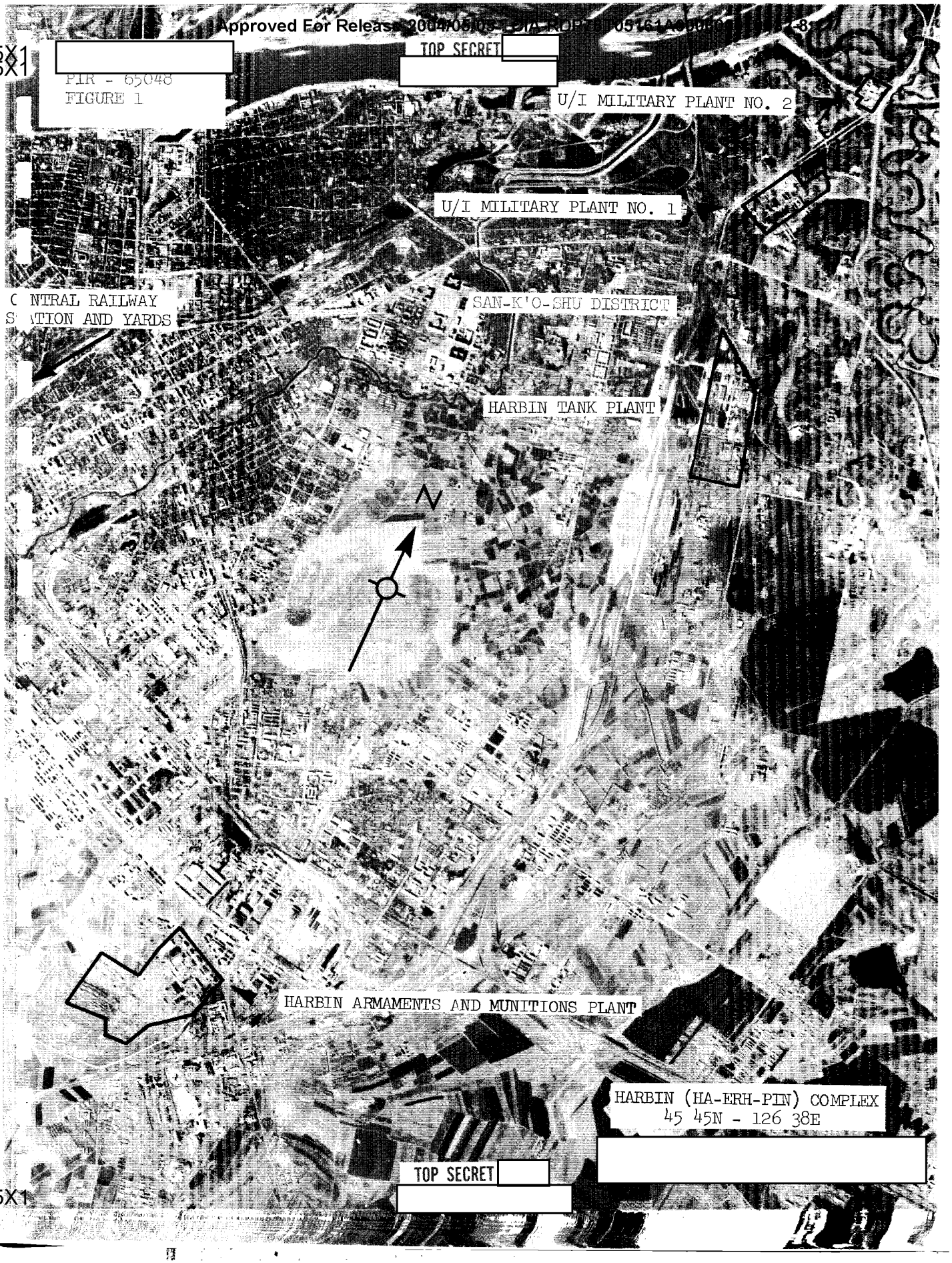

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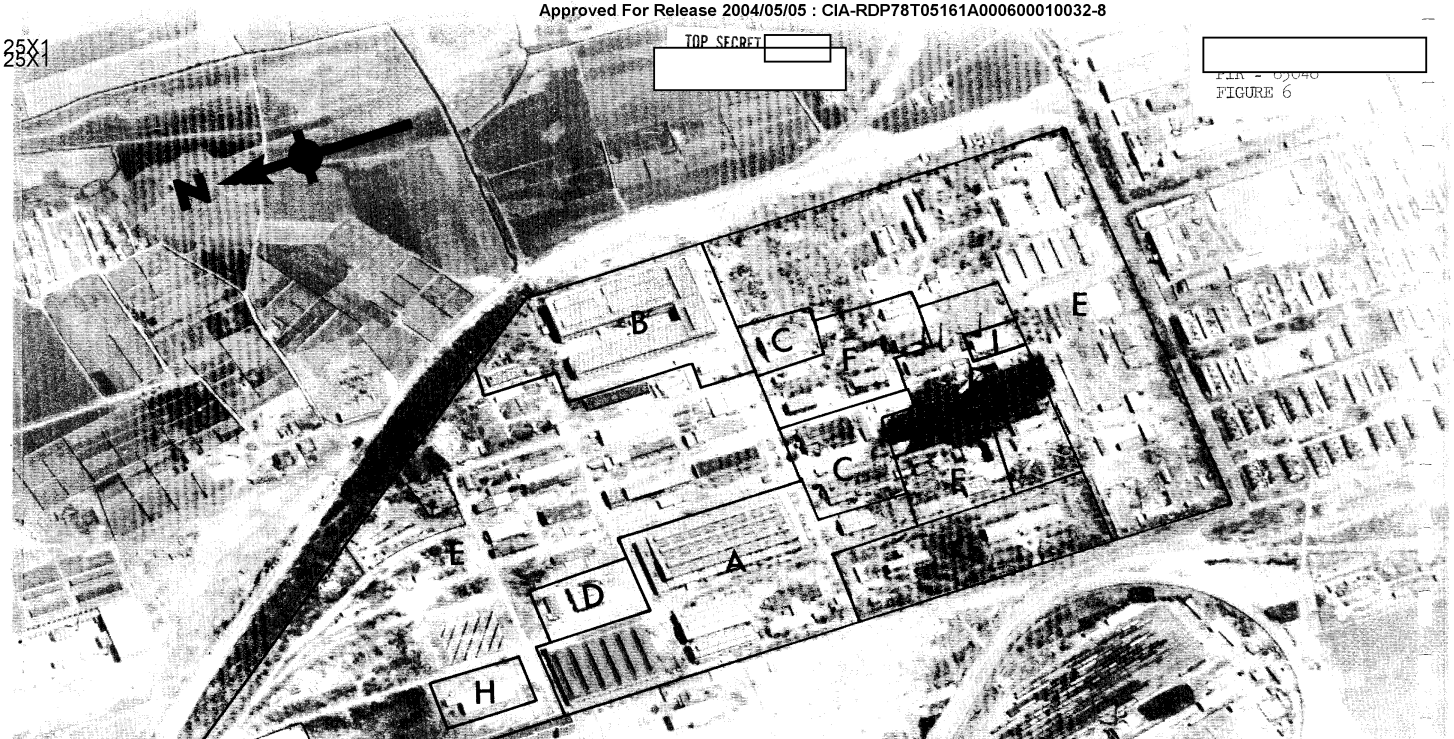
FIGURE 6



HARBIN TANK PLANT
45 46 30N - 126 43 10E

[redacted]

MAJOR FUNCTIONAL AREAS

A - Machine Shops
B - Sub-assembly/Assembly
C - Probable Forge/Foundries
D - Unidentified Heat Processing
E - Storage and Support
F - Workshops
G - Administration
H - Vehicle Maintenance
I - Possible Steam Plant

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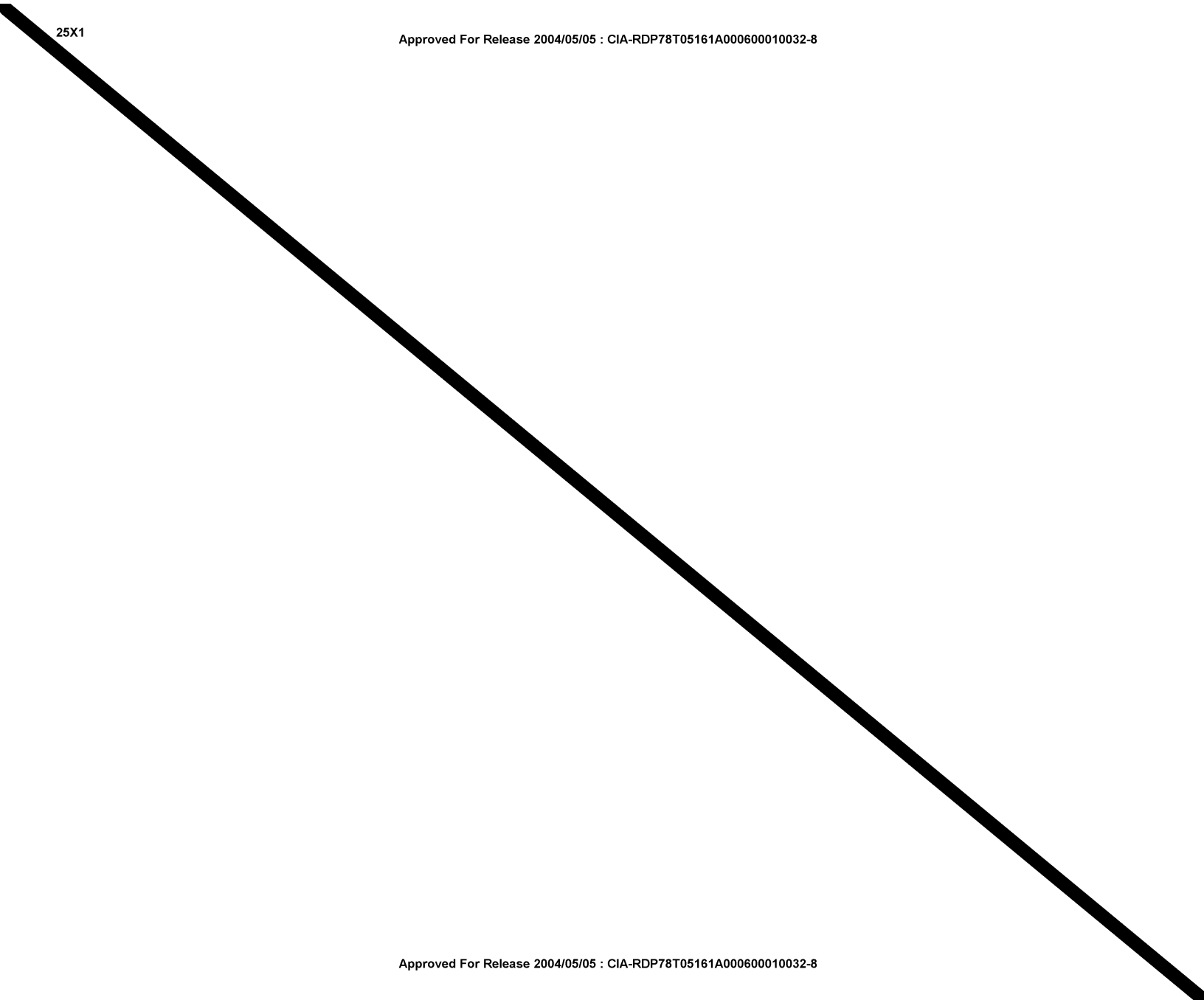
[redacted]



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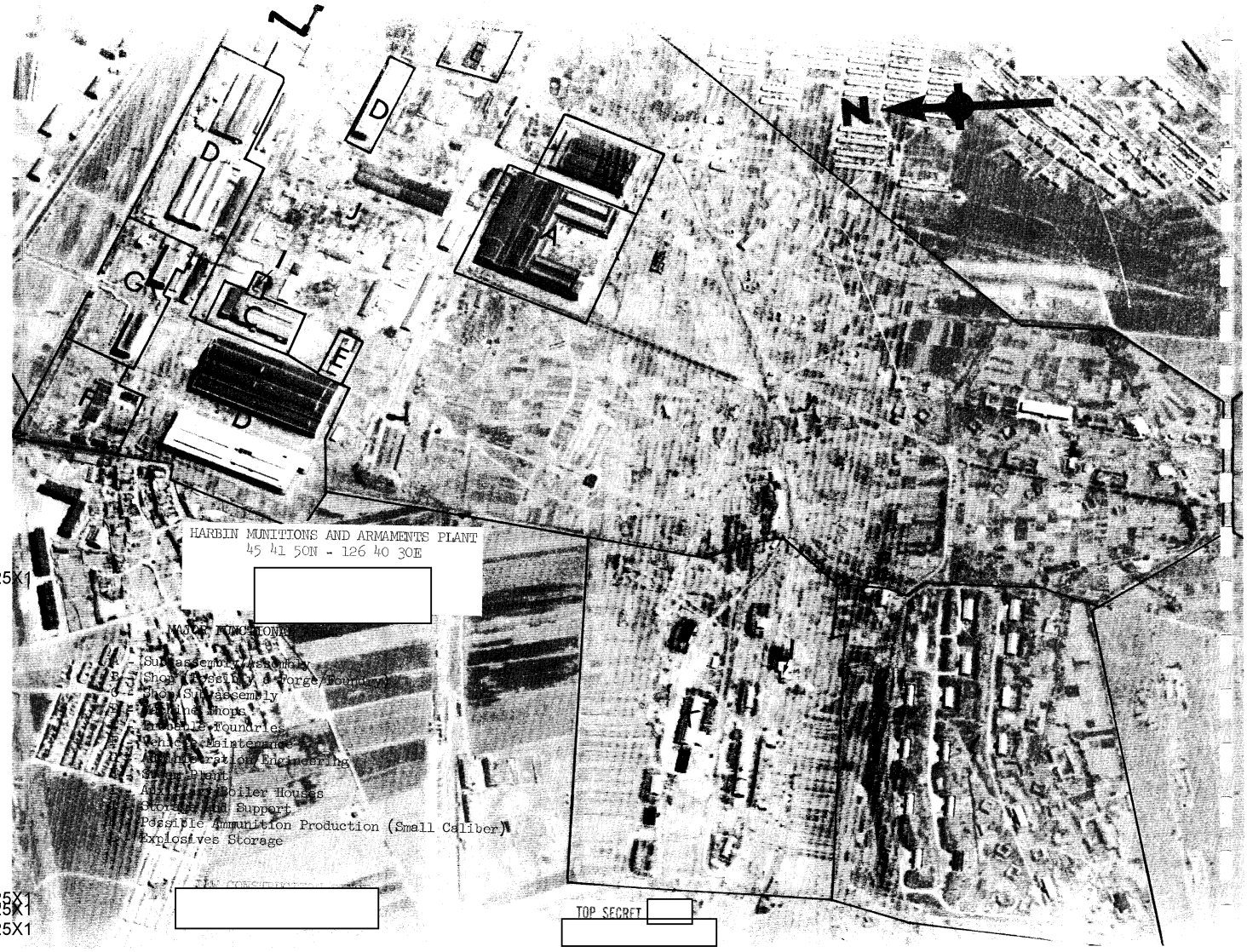

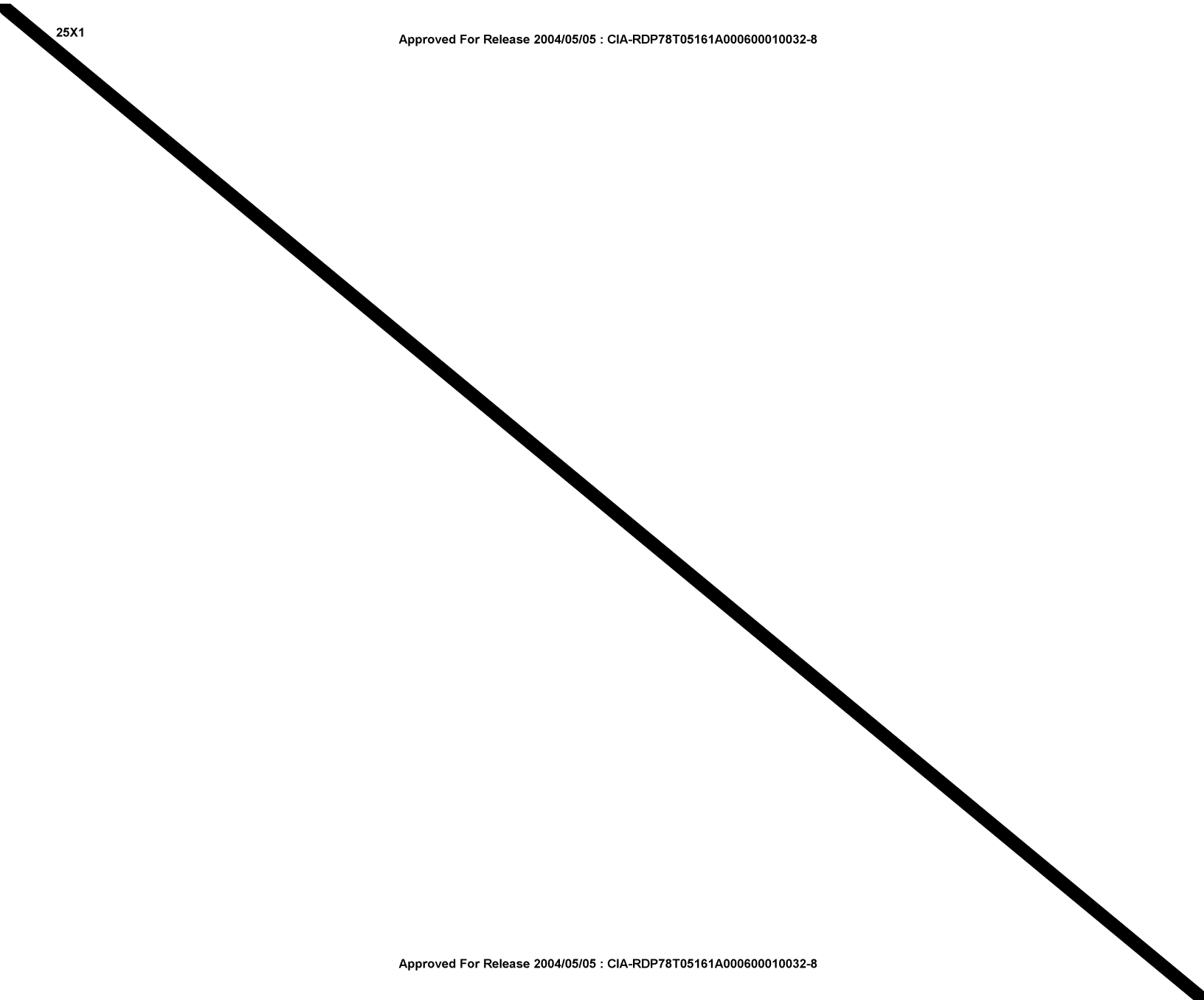

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